

MAT-5870

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: A. Ishida et al. : Art Unit: 1745  
Serial No.: 09/042,681 : Examiner: J. Crepeau  
Filed: March 12, 1998  
For: LITHIUM SECONDARY BATTERY

#26/61  
5.21.02

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R:

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CLAIMS:

16. (As Amended) A lithium polymer secondary battery comprising:

a positive electrode;

a negative electrode which is negative during discharging of the battery;

a gel polymer electrolyte comprising polymer and an organic electrolyte solution dissolving a lithium salt; and

ceramic particles not relating to the charge and discharge reaction of the battery in the negative electrode;

wherein:

the content of the ceramic particles is 0.01 to 10 parts by weight in 100 parts by weight of active substance in the negative electrode;

the particle size of the ceramic particles is 10 microns or less; and